

Census Transportation Planning Package AN OVERVIEW



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What is the CTPP?

The Census Transportation Planning Package is a set of special tabulations from the long form of the decennial census designed by transportation planners for transportation planners



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It summarizes the data



At Residence

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At Workplace



At Residence

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It summarizes the data



At Workplace

Flows between
Home and Work



At Residence

Who is developing it?

CTPP is a product of the states and MPOs funded through an AASHTO Pooled Fund Project



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It is guided by a Working Group

USDOT (FHWA, BTS, FTA and OST)

Census Bureau (Migration and Geography Divisions)

AASHTO

States and MPOs

TRB Subcommittee on Census Data

www.TRBcensus.com

History



	Buyers/Users	Direct Cost	Tables
1960	OMB	???	???
1970	112	\$0.6 M	43
1980	152	\$2.0 M	82
1990	All States and MPOs	\$2.5 M	120
2000		\$3.0 M	203

When is it due out?

CTPP will come out in 2- waves



Residence Based Tables

Feb 2002 Marchish

Workplace & Worker Flow Tables

Summer 2003



How will it be packaged?



CD-Roms



Tables



One- Offs

How will it be Packaged?



CTPP Access Tool



Extraction Software

Generate Tables

Simple Mapping

Exportability

Calculate New Variables

Easy to Use

The CAT

CTPP Access Tool



Clara will tell us more?




Will there be training?

Yes! Sort of




Introduction CTPP Guidebook

What is it?

- Self-Paced, Individualized Training
- CD-Rom Based
- Loaded with Animations
- Fun yet Informative
- Less than 5-Hours to Complete
- Chock Full of Information

Introduction CTPP Guidebook

- MODULE One: Introduction to the CTPP
- MODULE TWO: How is the CTPP Organized?
- MODULE THREE: Overview of Products and Applications
- MODULE Four CTPP Access Tool
- MODULE FIVE: Data Quality Issues
- Case Study 1: Trend Analysis
- Case Study 2: Demographic Summaries
- Case Study 3: Factoring Travel Surveys
- Case Study 4: Developing Models
- Case Study 5: Transit Service Planning
- Case Study 6: Civil Rights Analysis

Introduction CTPP Guidebook


Beta Distributed Today

Elaine will tell us more

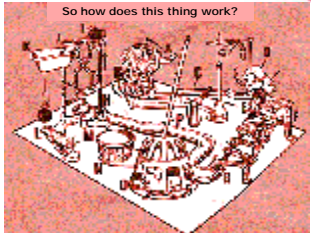



What will we be getting?


Let's Look at the Details



So how does this thing work?




Tables—Lots of Tables



121 Tables of Residents' Based Data
68 Tables of Work Place Data
14 Tables of Flow Data

Variables--Lots of Variables



Person

Worker Status
Age, Sex, Race, Hispanic Origin, Disability

Household

Income
Nos. Vehicles Available
Size and Nos. Workers


Workers

Journey-to-Work

Work Location and Mode
Departure and Travel Time
Arrival Time (Calculated)


Geography--Lots of Geography

	TAZ or Block Groups	Tracts	Combined Zones	MCD in 12 States	Places > 2,500	County	State
Part 1 (at Residence)	← 121 Tables →						
Part 2 (at Workplace)	← 68 Tables →						
Part 3 (Worker Flows)	← 14 Tables →						



CTPP Data Tables

What is a "Universe"?



Tables are further sorted for different Universes – the **counting units**:

- Total persons
- Workers
- Households
- Housing units

CTPP 2000 Table Structure

Part 1: At Residence (121 Tables)

Group 1: All Workers	Tables 1-29
Group 2: Workers in Households	Tables 30-48
Group 3: Persons	Tables 49-61
Group 4: Households	Tables 62-83
Group 5: Housing Units	Tables 84 to 88
Group 6: Computed Tables	Tables 89-121

Part 2: At Workplace (68 Tables)

Group 1: All Workers	Tables 1-29
Group 2: Workers in Households	Tables 30-48
Group 3: Computed Tables	Tables 49-68

Part 3: Worker Flows (14 Tables)

Group 1: Small Geography	Tables 1-8
Group 2: Sm Geo Computed	Tables 9-14

Comparing SF3 to CTPP

SF3	CTPP
Travel time to Work (4) by Means of Transportation (2)	Travel time to Work (15) by Means of Transportation (10)
Tenure (2) by Vehicles Available (6)	Vehicles Avail (5) by Hhld Income (25) Vehicles Avail (5) by Nos. of workers in hhld (5) AND MORE

CTPP 2000 Table Summary

	Part 1	Part 2	Part 3
One-Way	12	3	5
Two-Way	88	54	9
Three-way	16	8	--
4-Way	5	3	--
	121	68	14

Sample CTPP Cross Tabulations

One-Way	Household income in 1999 (11)
Two-Way	Sex (3) by Age (12)
Three-Way	Household size (5) by Vehicles available (6) by Household income (11)
Four-Way	Vehicles available (3) by Hispanic origin (3) by Race of person (5) by Means of transportation to work (8)

<http://www.dot.gov/ctpp/>

CTPP 2000 Variable Summary

27 One-Level Variables
2 Two-Level Variables
2 Three-Level Variables
3 Four-Level Variables

34 Total Variables
Or 49 with Variations

Means of Transportation to Work

Drove Alone	Drove Alone	Drove Alone	Drove Alone
2 Person Carpool	2 Person Carpool	2 Person Carpool	
3 Person Carpool	3 Person Carpool		
4 Person Carpool		3+ Person Carpool	2+ Person Carpool
5-6 Person Carpool	4+ Person Carpool		
7+ Person Carpool			
Bus/Trolley Bus	Bus/Trolley Bus	Bus or Trolley Bus	Bus/Trolley Bus
Streetcar/Trolley	Streetcar/Trolley/	Streetcar/Trolley/	Streetcar/Trolley/
Subway/Elevated	Subway/Elevated	Subway/Elevated/	Subway/Elevated/
Railroad	Railroad/ Ferryboat	Railroad/ Ferryboat	Railroad/ Ferryboat
Ferryboat			
Bicycle	Bicycle/Walked	Bicycle/Walked/	Bicycle/ Walked/
Walked		Taxicab/	Taxicab/
Taxicab	Taxicab/	Motorcycle/other	Motorcycle/other
Motorcycle	Motorcycle/other	Means	Means/ Worked at
Other Means	Means		Home
Worked at Home	Worked at Home	Worked at Home	
17 Modes	10 Modes	7 Modes	4 Modes

CTPP 2000 Variable Summary

27 One-Level Tenure
Time Arriving at Work
2 Two-Level Variables
 2 Three-Level Variables
 3 Four-Level Variables

34 Total Variables
Or 49 with Variations

CTPP 2000 Variable Summary

27 One-Level Variables
 2 Two-Level Age
Time Leaving Home
2 Three-Level Variables
 3 Four-Level Variables

34 Total Variables
Or 49 with Variations

CTPP 2000 Variable Summary

27 One-Level Variables
 2 Two-Level Variables
 2 Three-Level Household Income
Household Vehicles
Means of Transportation
3 Four-Level variables

34 Total Variables
Or 49 with Variations

Table stuff

CTPP 2000 Post DRB

Part 1: at Residence (121 Tables)
 All Tables Rounded
 Zero = 0
 1 through 7 = 4
 8 through ∞ = Nearest Multiple of "5"
Part 2: at Workplace (68 Tables)
 All Tables Rounded
Part 3: Worker Flows (14 Tables)
 All Tables Rounded
 Some Tables with Thresholds

CTPP 2000 Table Structure

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Example of Rounding

Mode to Work	Circa 1990	For 2000 (ROUNDED)
Total	352	350 (not 355!)
Drive Alone	212	210
Carpool	46	45
Transit	59	60
Walk	33	35
Bike	2	4

True Total 354

Part 3: Worker Flow Tables

Table	Content
1	Total Workers (1)
2	Vehicles Available (3--zero,one or two+)by Means of Transportation (7 modes)
3	Poverty Status (3 categories)
4	Minority Status (2--white non-hispanic and all others)
5	Household Income (8 classifications)
6	Means of Transportation (17 modes)
7	Household Income (4 classifications) by Means of Transportation (4 modes)
8	Mean Travel Time by Means of Transportation to Work (7 modes) and Time Leaving Home for Work (2--AM peak and all other times)
9	Median Travel Time by Means of Transportation to Work (7 modes) and Time Leaving Home for Work (2 groupings)
10	Aggregate Number of Vehicles by Time Leaving Home for Work (2, see table 8)
11	Number of Workers per Vehicle by Time Leaving Home for Work (2, see table 8)
12	Aggregate Number of Carpools by Time Leaving Home for Work (2, see table 8)
13	Number of Workers per Carpool by Time Leaving Home for Work (2, see table 8)
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Subject to Rounding
Zero = 0
1 through 7 = 4
8 or more = nearest multiple of 5

Rounded according to the specifications used for all Census sample data products

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No record threshold

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No record threshold

Must have 3 unweighted records

Other issues



American Community Survey (ACS)

- Funding (in congress)
- Transportation Research
 - NCHRP
 - US DOT

Breaking news



SF3 is Out – Watch for DVDs

Online Access to 1990 CTPP

<http://www.bts.gov/>

Journey to Work Profile Sheets

CTPP Residents Data w/CAT (Coming Soon)

Electronic Guidebook (beta today)

Stay connected



<http://www.dot.gov/ctpp>

<http://www.TRBcensus.com>

202-366-5000

Are You on the CTPP-News Listserve?

Have You Seen our Newsletter (the Status Report)?

Census Data for Transportation Planning

TRB Subcommittee on Census Data for Transportation Planning, A1D08(1)



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Old Data (pre-2000)

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Guides

What comes to your mind when you hear the words "Census Data for Transportation Planning"? The answer is not always obvious, but it is important. The Census Data for Transportation Planning Subcommittee is a group of experts who work together to provide the most accurate and up-to-date information available on the Census Data for Transportation Planning. This information is used by transportation planners to make decisions about the future of our transportation system.

What's New

- 1990 CTPP Available in the [BTS Data Shop](http://www.bts.gov/) (10/16/2000)
- January 2000 CTPP Status Report (PDF) (1/16/2000)
- CTPP 2000 and State Data Profile (1/16/2000)
- FAQs on the CTPP (1/16/2000)
- What is the CTPP Data Counting Out? Visit the [CTPP](http://www.trb.org/) page.

<http://www.TRBcensus.com/>



CTPP 2000 Status Report

January 2000

U.S. Department of Transportation
Federal Highway Administration
Bureau of Transportation Statistics
Federal Transit Administration
In cooperation with the TRB Census Subcommittee

Using the CTPP 2000 Profile Data

On December 30, the first Census Transportation Planning Package 2000 (CTPP 2000) profiles were released. The profiles are posted on the AASHTO web page at <http://www.aashto.org/>.

The CTPP 2000 profiles are available in two formats: a household size by vehicle availability, and the second is travel time by mode to work. Profiles are available for each county within states, and for MCDs in six New England States. If you are interested in a complete data set

CTPP 2000 Data Release Schedule

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Questions-- ask Chuck

